Doc Code: AP.PRE.REQ

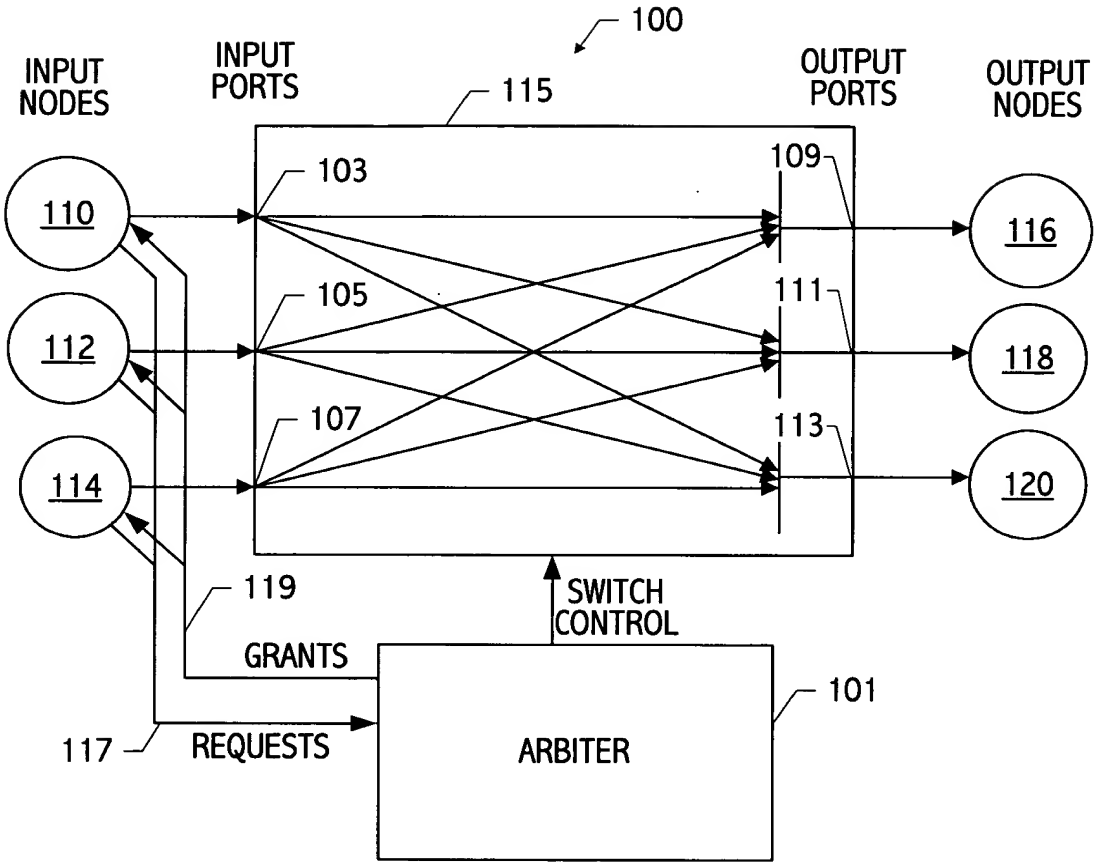

FIG. 1

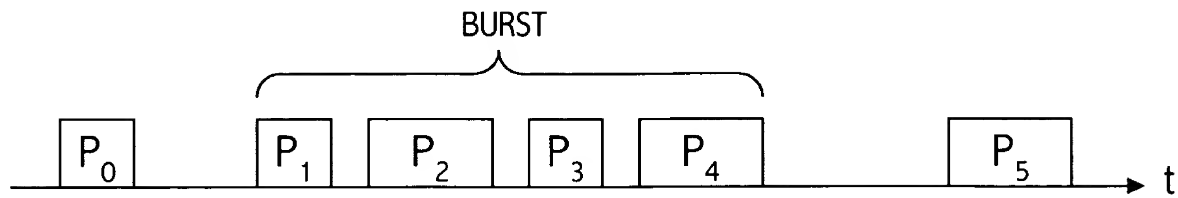

FIG. 2

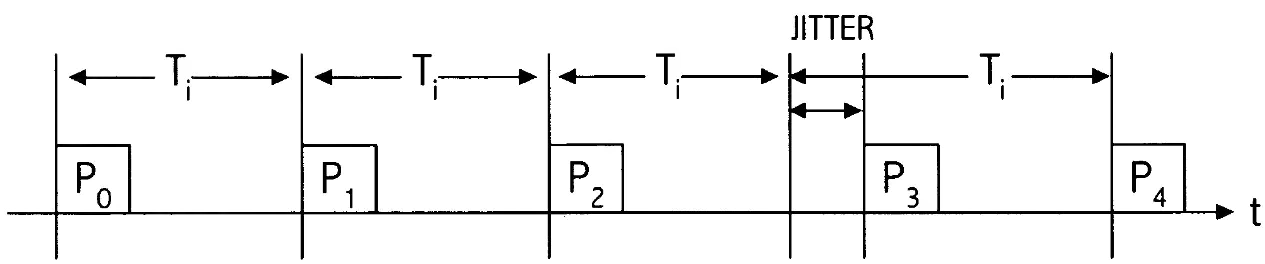

FIG. 3

09734250 - 041504

I	T	SLOT	RATE	LENGTH
0	2	1	2	3
1	3	1	0	1
1	2	5	4	5

FIG. 4

SLOT	PRECALC SCHEDULE I_0	PRECALC SCHEDULE, I_1
0	0000	0000
1	0010	0001
2	0000	0000
3	0010	0000
4	0000	0000
5	0010	0000

FIG. 5

DOCKET: 1004-4253-1

I	T	SLOT
0	2,3	1
1	1,2,3	2
2	1,3	1

FIG. 6

SLOT	PRECALC SCHEDULE I_0	PRECALC SCHEDULE, I_1	PRECALC SCHEDULE, I_2
0	0000	0000	0000
1	0011	0000	0000
2	0000	0111	0000

FIG. 7

SLOT	PRECALC SCHEDULE I_0	PRECALC SCHEDULE, I_1	PRECALC SCHEDULE, I_2	PRECALC SCHEDULE, I_3
0	0111	1001	0000	0000
1	0000	1001	1110	0000
2	1100	0011	0000	0000

FIG. 8

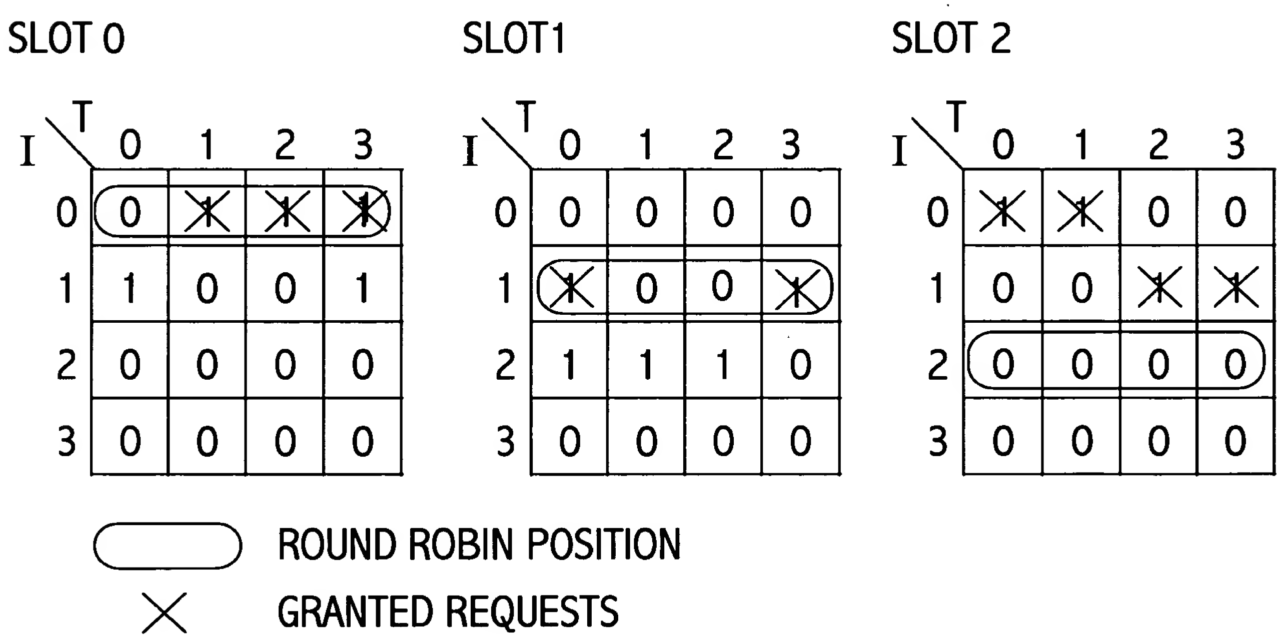

FIG. 9

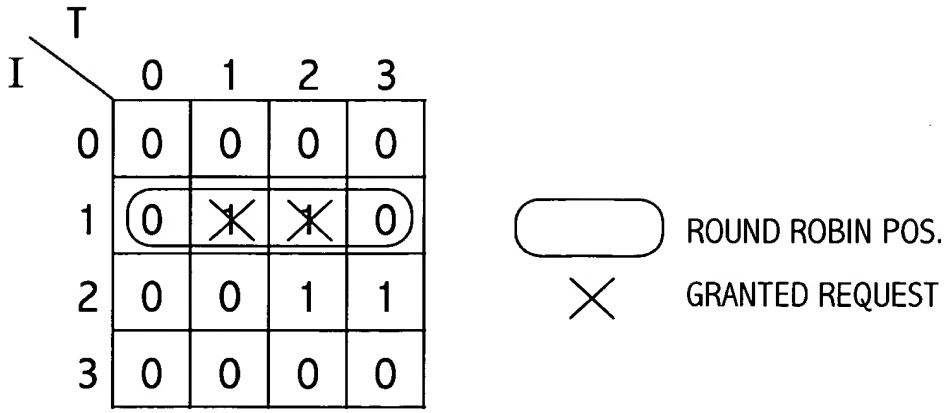
T
I
0 1 2 3
0 0 0 0 0
1 0 1 1 0
2 0 0 1 1
3 0 0 0 0
ROUND ROBIN POS.
GRANTED REQUEST

FIG. 10

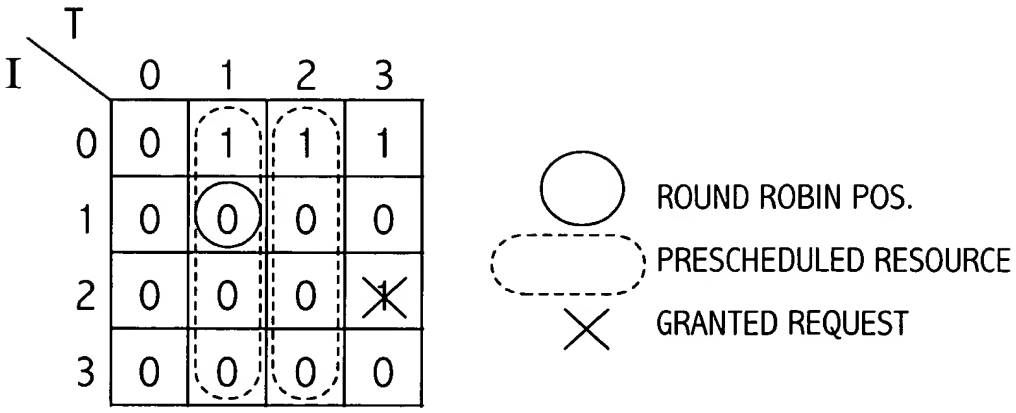
T
I
0 1 2 3
0 0 1 1 1
1 0 0 0 0
2 0 0 0 1
3 0 0 0 0
ROUND ROBIN POS.
PRESCHEDULED RESOURCE
GRANTED REQUEST

FIG. 11

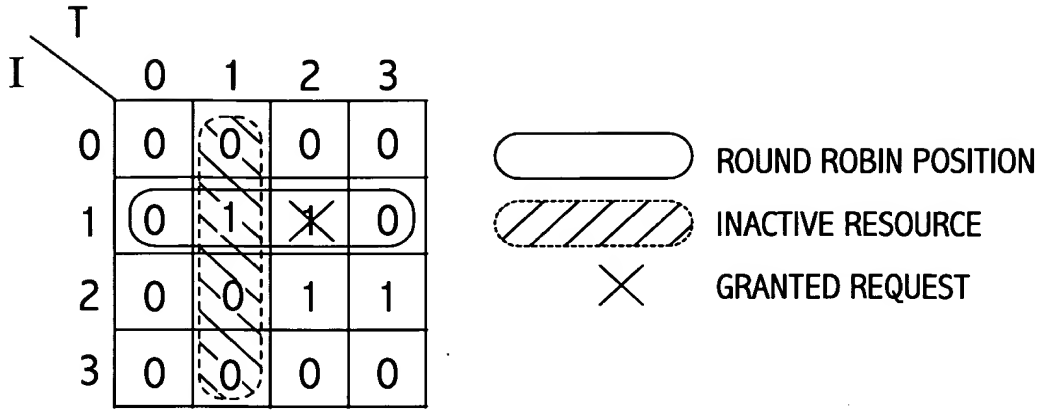

FIG. 12

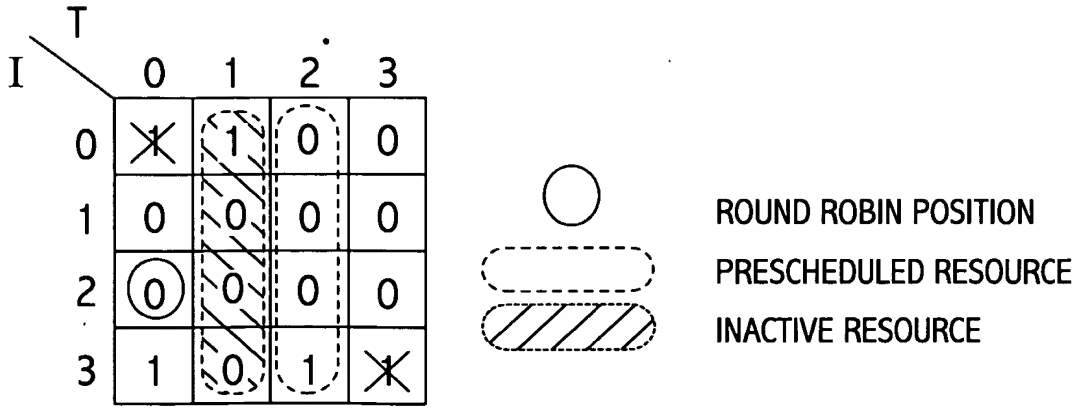

FIG. 13

09714360 - 112604

09/944,761 - 1004-4253-1

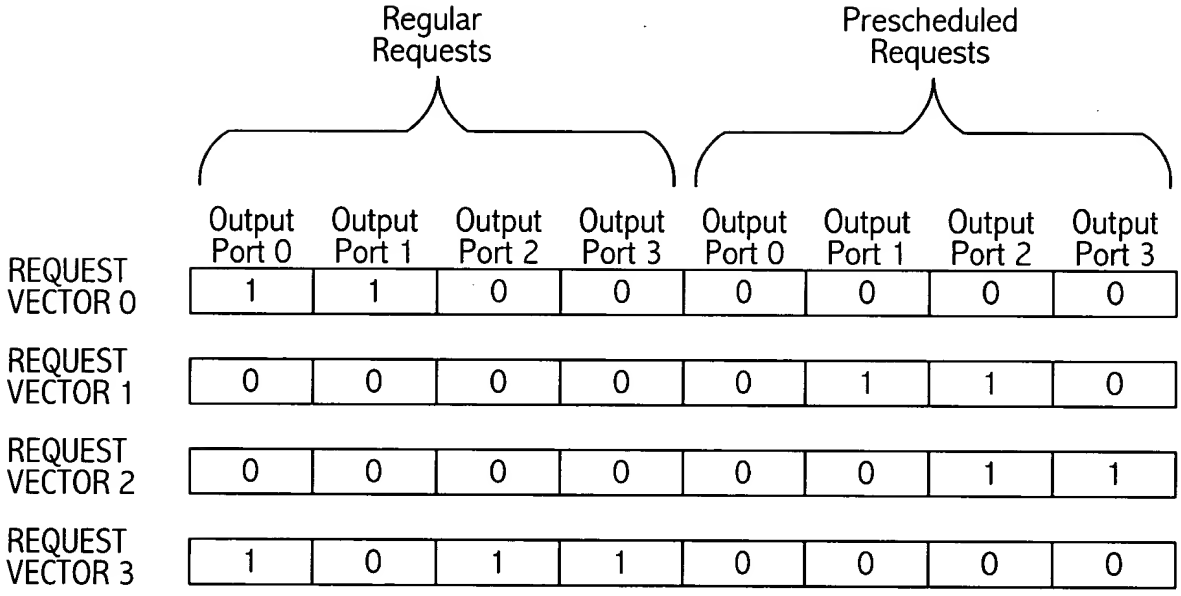

FIG. 14

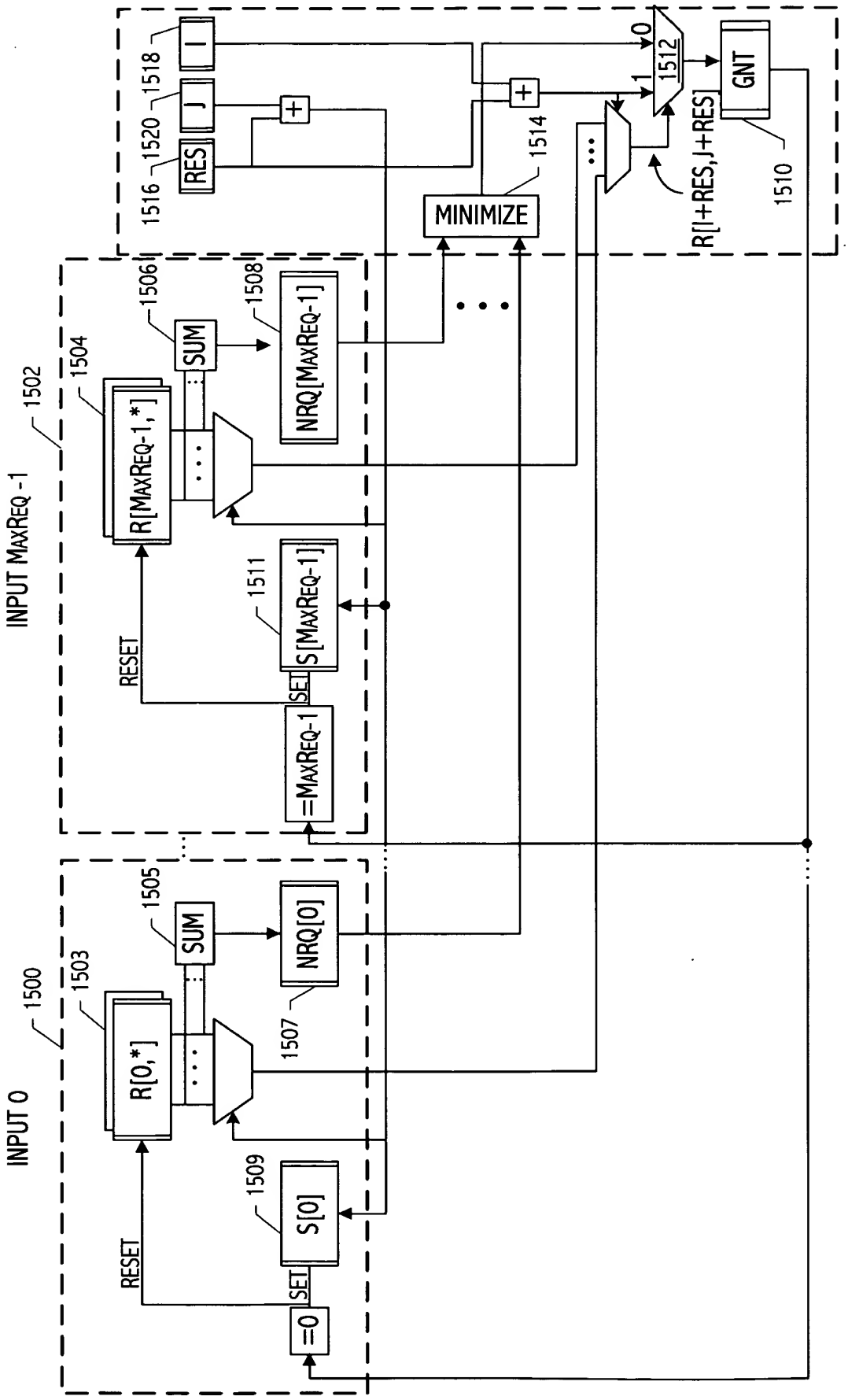
INPUT 0
INPUT MAXREQ -1
1500
1502
1503
1504
1505
1506
1507
1508
1509
1510
1511
1512
1514
1516
1518
1520
R[0,*]
R[MAXREQ-1,*]
SUM
NRQ[0]
NRQ[MAXREQ-1]
S[0]
S[MAXREQ-1]
=0
=MAXREQ-1
SET
RESET
I
J
RES
MINIMIZE
GNT
R[I+RES,J+RES]
0
1

FIG. 15

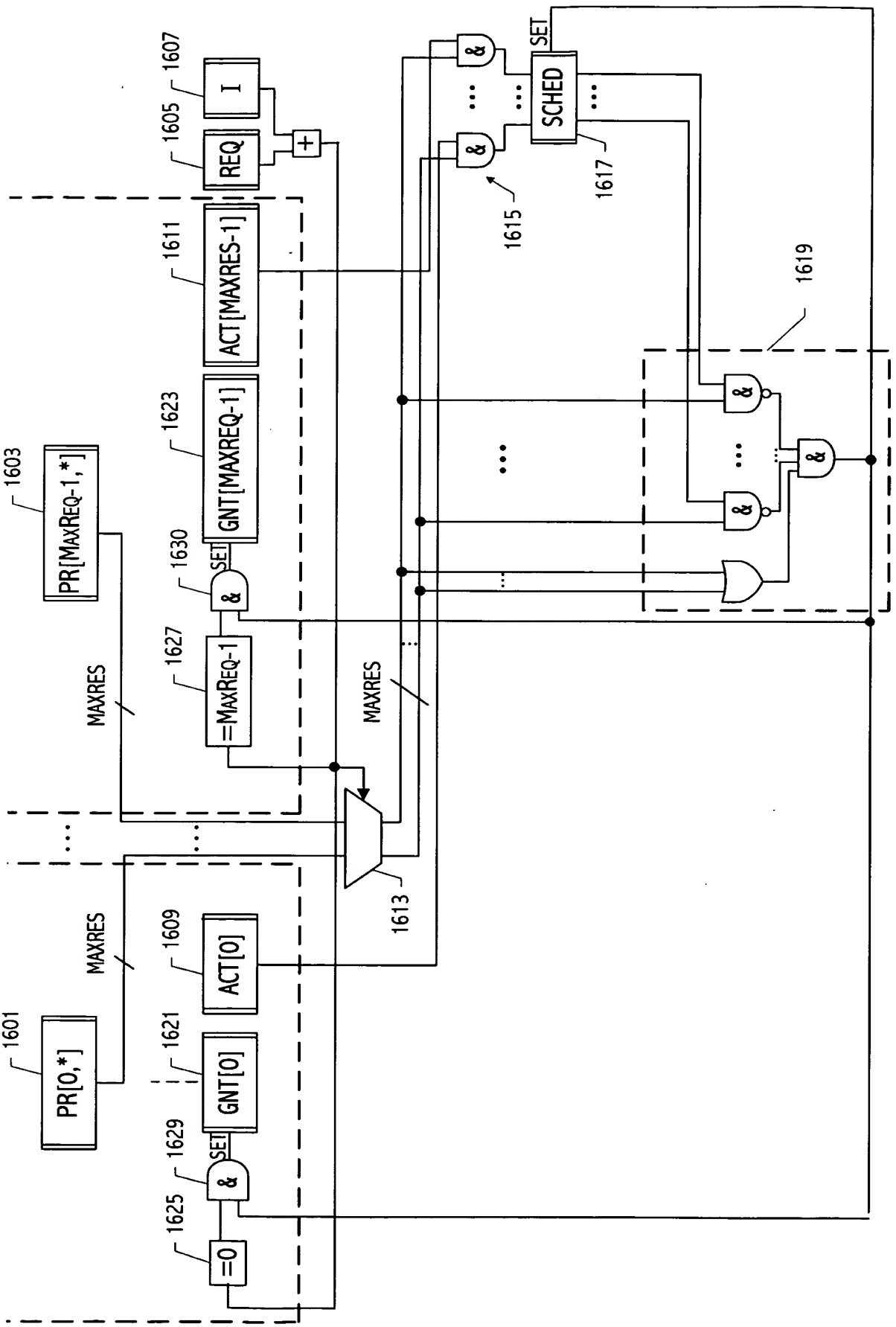
1601
PR[0,*]
MAXRES
1603
PR[MAXREQ-1,*]
MAXRES
1605
REQ
1607
I
+
1609
ACT[0]
1611
ACT[MAXRES-1]
1613
1615
&
SET
1617
SCHED
1619
1621
GNT[0]
1623
GNT[MAXREQ-1]
1625
=0
1627
=MAXREQ-1
1629
1630
SET

FIG. 16

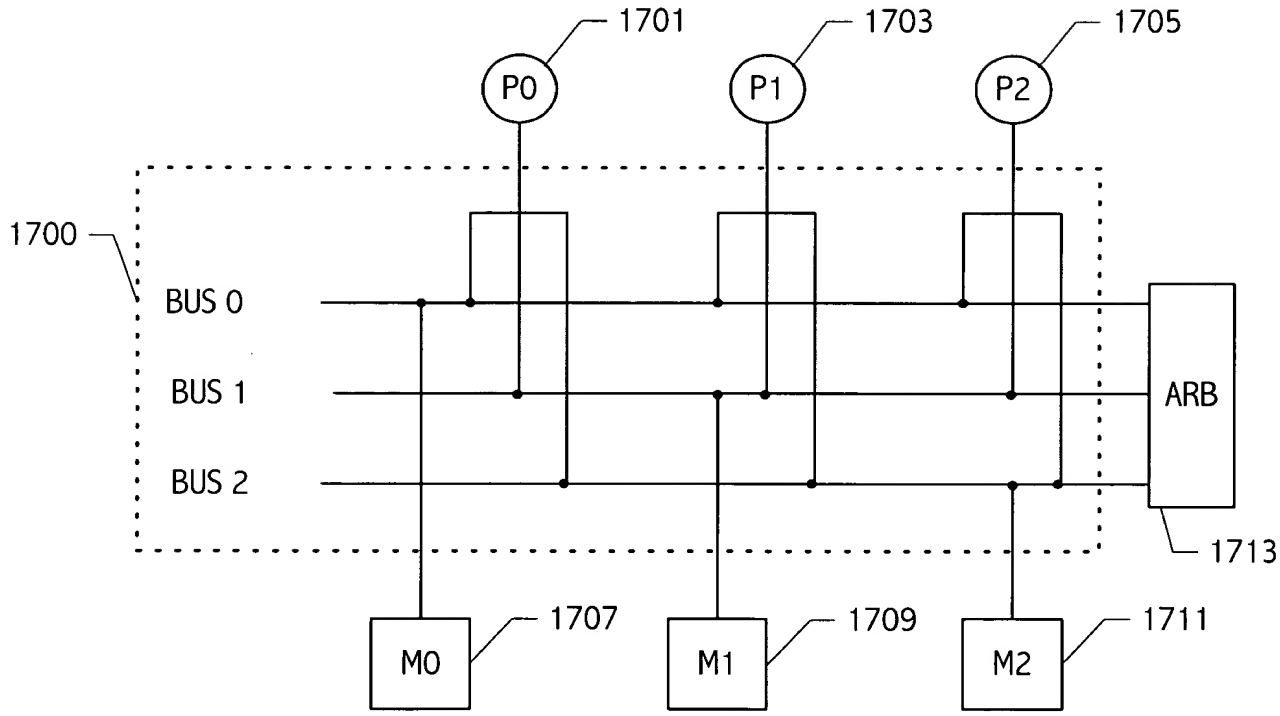
1701
1703
1705
P0
P1
P2
1700
BUS 0
BUS 1
BUS 2
ARB
1713
M0
M1
M2
1707
1709
1711

FIG. 17